

## INDUSTRIAL COMPONENT DATA

# DMC 0,5/ 3-G1-2,54 P20THR R24 1844730 PHOENIX CONTACT

## Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: DMC 0,5/ 3-G1-2,54 P20THR R24



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | DMC 0,5/ 3-G1-2,54 P20THR R24   |
| Catalog number  | 1844730                         |
| Category        | Printed circuit board connector |
| Minimum order   | 300 Pcs                         |
| Document ID     | EO-57E8CEEA2B                   |
| Generated       | 2026-08-04                      |

### Product Overview

Printed-circuit board connector

Printed circuit board base housing, nominal section: 0.5 mm<sup>2</sup>, color: black, nominal current: 6 A, nominal voltage (III/2): 160 V, contact surface: Gold, contact type: Male, number of potentials: 6, number of rows: 2, number of poles: 3, number of connections: 6, family of articles: DMC 0.5/..-G1-THR, pitch: 2.54 mm, mounting: Solder THR, pin arrangement: Linear pin arrangement, pin length [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON DFMC 0.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: 24 mm wide strap, Sample quantities available under SAMPLE DMC...

PCB headers, nominal cross section: 0.5 mm<sup>2</sup>, color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Au, contact connection type: Pin, number of potentials: 6, number of rows: 2, number of positions: 3, number of connections: 6, product range: DMC 0.5/..-G1-THR, pitch: 2.54 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON DFMC 0.5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 24 mm wide tape, Sample values available under SAMPLE DMC...

## STRUCTURED PRODUCT DATA

### Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

### Classification & Catalog Path

Catalog path PHOENIX CONTACT > PCB Connectors (PCC)

### Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family DMC 0,5/..-G1-THR

Product line COMBICON Connectors XS

Type Component suitable for through hole reflow

Number of positions 3

Pitch 2.54 mm

Number of connections 6

Number of rows 2

Number of potentials 6

Mounting flange without

Pin layout Linear pinning

Solder pins per potential 1

Data management status

Article revision 04

Electrical propertiesNominal current IN 6 A

Nominal voltage UN 160 V

Contact resistance 2.7 mΩ

Rated voltage (III/3) 32 V

Rated surge voltage (III/3) 2.5 kV

Rated voltage (III/2) 160 V

Rated surge voltage (III/2) 2.5 kV

Rated voltage (II/2) 160 V

Rated surge voltage (II/2) 2.5 kV

MountingMounting type THR soldering / wave soldering

Pin layout Linear pinning

Processing notes

Process Reflow/wave soldering

Moisture Sensitive Level MSL 1

Classification temperature Tc 260 °C

Solder cycles in the reflow 3

Material specificationsMaterial data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics Completely gold-plated

Metal surface contact area (top layer) Gold (0.25 Au)

Metal surface contact area (middle layer) Nickel (2 - 4 µm Ni)

Metal surface soldering area (top layer) Gold (0.25 Au)

Metal surface soldering area (middle layer) Nickel (2 - 4 µm Ni)

Material data - housing

Color (Housing) black (9005)

Insulating material LCP

Insulating material group IIIa

CTI according to IEC 60112 175

Flammability rat...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / DMC 0,5/ 3-G1-2,54 P20THR R24 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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